

# **Digitalization of the NDT workflow - DRIVE NDT management system**

**Gilles Stevens<sup>1</sup>, Oliver Ruzek<sup>1</sup>, Andreas Moschtak<sup>1</sup>, Adrian Roth<sup>1</sup>**

<sup>1</sup>-, DÜRR NDT GmbH & Co. KG, Germany

The DRIVE NDT management software integrates all NDT inspection methods and associated processes into a single system instead of using multiple Excel files, Word documents, various other software or even paper. It organizes and controls the complete NDT order workflow including fully configurable and individual testing reports, all in a continuous process chain. Objects to be tested can be registered, for example: pipelines in refineries including isometrics, pressure vessels including technical drawings, or turbine blades. The respective testing instructions, standards and customer specifications can also be added and the individual inspections assigned to operators. In addition, the whole NDT process landscape can be managed, including personnel management such as certification tracking, medical checks and dosage management of testing staff, administration of equipment and tools, resources management, etc., all with individual notification options. All information is available in real-time on a single platform and is recorded and transferred much faster. It is possible to use DRIVE NDT using any browser and because it is cloud-based, it can be accessed from anywhere, even with tablets and smartphones. A glance at the dashboard allows an overview of the status of all test orders, their related inspections and the currently generated revenue. The management software creates compliant test reports, which offers greater security and peace of mind for the customer and for audits. For example, if a test report is modified in any way, the software automatically generates a new revision and tracks the changes. The management software has been designed so that all data can be analyzed in any way desired which makes it an ideal base-platform for predictive maintenance, for example.